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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	SEP 09	CA/CAplus records now contain indexing from 1907 to the present
NEWS 4	Jul 15	Data from 1960-1976 added to RDISCLOSURE
NEWS 5	Jul 21	Identification of STN records implemented
NEWS 6	Jul 21	Polymer class term count added to REGISTRY
NEWS 7	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 8	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 9	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 10	AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 11	AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 12	AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 13	AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS 14	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS 15	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS 16	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Righ Truncation
NEWS 17	AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS 18	SEP 22	DIPPR file reloaded

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003

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=> file medline, agricola, caba, caplus, biosis, biotechno, uspatfull
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'MEDLINE' ENTERED AT 14:25:01 ON 23 SEP 2003

FILE 'AGRICOLA' ENTERED AT 14:25:01 ON 23 SEP 2003

FILE 'CABA' ENTERED AT 14:25:01 ON 23 SEP 2003
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FILE 'USPATFULL' ENTERED AT 14:25:01 ON 23 SEP 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (tumer, n? or tumer n?)/au
L1          619 (TUMER, N? OR TUMER N?)/AU

=> s (leustek, t? or leustek t?)/au
L2          270 (LEUSTEK, T? OR LEUSTEK T?)/AU

=> s l1 and l2
L3            3 L1 AND L2

=> duplicate remove l3
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L3
L4            2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)

=> d l4 1-2 ti

L4   ANSWER 1 OF 2     MEDLINE on STN                    DUPLICATE 1
TI   Enhancement of the primary flavor compound methional in potato by
     increasing the level of soluble methionine.

L4   ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2003 ACS on STN
TI   Transgenic plants having improved flavor properties by increasing free
     methionone levels


=> s l1 or l2
L5          886 L1 OR L2

=> s l5 not l3
L6          883 L5 NOT L3

=> s cystathionine(w)gamma(w)synthase
L7          522 CYSTATHIONINE(W) GAMMA(W) SYNTHASE

=> s l4 and l7
L8            2 L4 AND L7

=> d l8 1-2 bib
```

L8 ANSWER 1 OF 2 MEDLINE on STN
AN 2003413532 IN-PROCESS
DN 22833599 PubMed ID: 12952421
TI Enhancement of the primary flavor compound methional in potato by increasing the level of soluble methionine.
AU Di Rong; Kim Jungsup; Martin Melinda N; **Leustek Tom**; Jhoo Jinwoo; Ho Chi-Tang; **Tumer Nilgun E**
CS Biotechnology Center for the Agriculture and the Environment, Department of Plant Biology and Pathology, and Department of Food Science, Rutgers University, Cook College, 59 Dudley Road, New Brunswick, New Jersey 08901-8520.
SO JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, (2003 Sep 10) 51 (19) 5695-702.
Journal code: 0374755. ISSN: 0021-8561.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20030904
Last Updated on STN: 20030904

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:666857 CAPLUS
DN 133:235372
TI Transgenic plants having improved flavor properties by increasing free methionone levels
IN **Tumer, Nilgun E.; Leustek, Thomas**
PA Rutgers, the State University of New Jersey, USA
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000055303	A2	20000921	WO 2000-US7330	20000320

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 1999-124961P P 19990318
US 1999-125654P P 19990322

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL' ENTERED AT 14:25:01 ON 23 SEP 2003
L1 619 S (TUMER, N? OR TUMER N?)/AU
L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
L3 3 S L1 AND L2
L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
L5 886 S L1 OR L2
L6 883 S L5 NOT L3
L7 522 S CYSTATHIONINE(W)GAMMA(W)SYNTHASE
L8 2 S L4 AND L7

=> s l6 and l7
L9 34 L6 AND L7

=> duplicate remove l9
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L9
L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)

=> d l10 1-10 ti

L10 ANSWER 1 OF 12 USPATFULL on STN
TI Methods for modulating the levels of organic sulfur compounds in plants by transforming with (P)APS reductase DNA

L10 ANSWER 2 OF 12 MEDLINE on STN DUPLICATE 1
TI Constitutive overexpression of **cystathionine gamma-synthase** in Arabidopsis leads to accumulation of soluble methionine and S-methylmethionine.

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
TI Modulating the levels of organic sulfur compounds in plants by transformation with DNA constructs encoding enzymes involved in sulfur metabolism

L10 ANSWER 4 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN DUPLICATE 2
TI The **cystathionine-gamma-synthase** gene involved in methionine biosynthesis is highly expressed and auxin-repressed during wild strawberry (Fragaria vesca L.) fruit ripening.

L10 ANSWER 5 OF 12 CABA COPYRIGHT 2003 CABI on STN DUPLICATE 3
TI Repression of **cystathionine gamma -synthase** in Arabidopsis thaliana produces partial methionine auxotrophy and developmental abnormalities.

L10 ANSWER 6 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Isolation and characterization of **cystathionine-gamma-synthase** in potato.

L10 ANSWER 7 OF 12 MEDLINE on STN DUPLICATE 4
TI Evidence for autoregulation of **cystathionine gamma-synthase** mRNA stability in Arabidopsis.

L10 ANSWER 8 OF 12 CABA COPYRIGHT 2003 CABI on STN
TI Plant gene register PGR 99-087. Nucleotide sequence polymorphisms in the **cystathionine gamma -synthase** gene of Arabidopsis (accession nos. AF039206 and AB010888).

L10 ANSWER 9 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Repression of **cystathionine gamma-synthase** and S-adenosyl-L-methionine synthetase produces similar developmental abnormalities in Arabidopsis thaliana.

L10 ANSWER 10 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Analysis of mto1 mutants that overaccumulate soluble methionine in Arabidopsis thaliana.

=> d l10 11-12 ti

L10 ANSWER 11 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

TI Cloning and expression analysis of **cystathionine gamma -synthase** from Arabidopsis thaliana.

L10 ANSWER 12 OF 12 MEDLINE on STN DUPLICATE 5
TI Cloning and analysis of the gene for **cystathionine gamma -synthase** from Arabidopsis thaliana.

=> d l10 1-11 bib

L10 ANSWER 1 OF 12 USPATFULL on STN
AN 2003:155762 USPATFULL
TI Methods for modulating the levels of organic sulfur compounds in plants by transforming with (P)APS reductase DNA
IN **Leustek, Thomas**, Union, NJ, United States
PA Pioneer Hi-Bred International, Inc., Des Moines, IA, United States (U.S. corporation)
Rutgers University, New Brunswick, NJ, United States (U.S. corporation)
PI US 6576819 B1 20030610
AI US 1999-252319 19990218 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Nelson, Amy J.; Assistant Examiner: Kallis, Russell
LREP Alston & Bird LLP
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 722
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 2 OF 12 MEDLINE on STN DUPLICATE 1
AN 2002063077 MEDLINE
DN 21648946 PubMed ID: 11788756
TI Constitutive overexpression of **cystathionine gamma-synthase** in Arabidopsis leads to accumulation of soluble methionine and S-methylmethionine.
AU Kim Jungsup; Lee Minsang; Chalam Radhika; Martin Melinda Neal; **Leustek Thomas**; Boerjan Wout
CS Biotechnology Center for Agriculture and the Environment, Plant Science Department, Rutgers University, New Brunswick, New Jersey 08901-8520, USA.
SO PLANT PHYSIOLOGY, (2002 Jan) 128 (1) 95-107.
Journal code: 0401224. ISSN: 0032-0889.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200205
ED Entered STN: 20020125
Last Updated on STN: 20020528
Entered Medline: 20020523

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:592849 CAPLUS
DN 133:173028
TI Modulating the levels of organic sulfur compounds in plants by transformation with DNA constructs encoding enzymes involved in sulfur metabolism
IN **Leustek, Thomas**; Tarczynski, Mitchell C.
PA Rutgers University, USA; Pioneer Hi-Bred International, Inc.
SO PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 2000049165	A1	20000824	WO 2000-US4381	20000218
	W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6576819	B1	20030610	US 1999-252319	19990218
	EP 1153135	A1	20011114	EP 2000-915814	20000218
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	US 1999-252319	A	19990218		
	WO 2000-US4381	W	20000218		

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN DUPLICATE 2
AN 2001:9271 AGRICOLA
DN IND22079629
TI The **cystathionine-gamma-synthase** gene involved in methionine biosynthesis is highly expressed and auxin-repressed during wild strawberry (Fragaria vesca L.) fruit ripening.
AU Marty, I.; Douat, C.; Tichit, L.; Jungsup, K.; **Leustek, T.**; Albagnac, G.
AV DNAL (442.8 Z8)
SO Theoretical and applied genetics, May 2000. Vol. 100, No. 7. p. 1129-1136
Publisher: Berlin; Springer-Verlag
CODEN: THAGA6; ISSN: 0040-5752
NTE Includes references
CY West Berlin
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L10 ANSWER 5 OF 12 CABA COPYRIGHT 2003 CABI on STN DUPLICATE 3
AN 2000:45567 CABA
DN 20001607786
TI Repression of **cystathionine gamma -synthase** in Arabidopsis thaliana produces partial methionine auxotrophy and developmental abnormalities
AU Kim JungSup; **Leustek, T.**; Kim, J. S.
CS Biotechnology Center for Agriculture and the Environment, Rutgers University, Cook College, 59 Dudley Road, New Brunswick, NJ 08901-8520, USA.
SO Plant Science (Limerick), (2000) Vol. 151, No. 1, pp. 9-18. 33 ref.
ISSN: 0168-9452
DT Journal
LA English

L10 ANSWER 6 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1999:299204 BIOSIS
DN PREV199900299204
TI Isolation and characterization of **cystathionine-gamma-synthase** in potato.
AU Campbell, M. A. (1); Patel, J. A. (1); Kim, J.; **Leustek, T.**
CS (1) School of Science, Pennsylvania State University-Erie, Behrend College, Erie, PA, 16563 USA
SO FASEB Journal, (April 23, 1999) Vol. 13, No. 7, pp. A1397.

Meeting Info.: Annual Meeting of the American Societies for Experimental Biology on Biochemistry and Molecular Biology 99 San Francisco, California, USA May 16-20, 1999 American Societies for Experimental Biology
. ISSN: 0892-6638.
DT Conference
LA English

L10 ANSWER 7 OF 12 MEDLINE on STN DUPLICATE 4
AN 2000027628 MEDLINE
DN 20027628 PubMed ID: 10558994
TI Evidence for autoregulation of **cystathionine gamma-synthase** mRNA stability in Arabidopsis.
AU Chiba Y; Ishikawa M; Kijima F; Tyson R H; Kim J; Yamamoto A; Nambara E; **Leustek T**; Wallsgrove R M; Naito S
CS Division of Applied Bioscience, Graduate School of Agriculture, Hokkaido University, Sapporo 060-8589, Japan.
SO SCIENCE, (1999 Nov 12) 286 (5443) 1371-4.
Journal code: 0404511. ISSN: 0036-8075.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199911
ED Entered STN: 20000113
Last Updated on STN: 20000113
Entered Medline: 19991130

L10 ANSWER 8 OF 12 CABA COPYRIGHT 2003 CABI on STN
AN 1999:123612 CABA
DN 991609383
TI Plant gene register PGR 99-087. Nucleotide sequence polymorphisms in the **cystathionine gamma -synthase** gene of Arabidopsis (accession nos. AF039206 and AB010888)
AU Kim, J.; Chiba, Y.; Yamamoto, A.; Naito, S.; **Leustek, T.**
CS Biotechnology Center for Agriculture and the Environement, Rutgers University, New Brunswick, New Jersey 08901, USA.
SO Plant Physiology, (1999) Vol. 120, No. 2, pp. 635.
ISSN: 0032-0889
DT Journal
LA English

L10 ANSWER 9 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2003:155831 BIOSIS
DN PREV200300155831
TI Repression of **cystathionine gamma-synthase** and S-adenosyl-L-methionine synthetase produces similar developmental abnormalities in Arabidopsis thaliana.
AU Kim, Jungsup (1); **Leustek, Thomas (1)**; Boerjan, Wout
CS (1) Rutgers University, New Brunswick, NJ, USA: kimjs@rci.rutgers.edu USA
SO Plant Biology (Rockville), (1999) Vol. 1999, pp. 138. print.
Meeting Info.: Annual Meeting of the American Society of Plant Physiologists Baltimore, Maryland, USA July 24-28, 1999 American Society of Plant Physiologists (ASPP)
.
DT Conference
LA English

L10 ANSWER 10 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1998:339137 BIOSIS
DN PREV199800339137
TI Analysis of mto1 mutants that overaccumulate soluble methionine in Arabidopsis thaliana.
AU Chiba, Yukako (1); Kijima, Fumiko (1); Ishikawa, Mari (1); **Leustek, Thomas**; Wallsgrove, Roger; Nambara, Eiji (1); Naito, Satoshi (1)

CS (1) Dep. Appl. Biosci., Fac. Agric., Hokkaido Univ., Sapporo Japan
SO Plant and Cell Physiology, (1998) Vol. 39, No. SUPPL., pp. S92.
Meeting Info.: 1998 Annual Meeting of the Japanese Society of Plant Pathologists Tokyo, Japan May 3-5, 1998 Japanese Society of Plant Pathologists
. ISSN: 0032-0781.
DT Conference
LA English

L10 ANSWER 11 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:380499 BIOSIS
DN PREV199799679702
TI Cloning and expression analysis of **cystathionine gamma -synthase** from Arabidopsis thaliana.
AU Kim, Jung-Sup (1); **Leustek, Thomas**
CS (1) Cent. Agric. Mol. Biol., Rutgers Univ., New Brunswick, NJ 08903-0231 USA
SO Plant Physiology (Rockville), (1997) Vol. 114, No. 3 SUPPL., pp. 43.
Meeting Info.: PLANT BIOLOGY '97: 1997 Annual Meetings of the American Society of Plant Physiologists and the Canadian Society of Plant Physiologists, Japanese Society of Plant Physiologists and the Australian Society of Plant Physiologists Vancouver, British Columbia, Canada August 2-6, 1997
ISSN: 0032-0889.
DT Conference; Abstract
LA English

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
ENTERED AT 14:25:01 ON 23 SEP 2003
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L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
L3 3 S L1 AND L2
L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
L5 886 S L1 OR L2
L6 883 S L5 NOT L3
L7 522 S CYSTATHIONINE(W)GAMMA(W)SYNTHASE
L8 2 S L4 AND L7
L9 34 S L6 AND L7
L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)

=> s l7 and (DNA OR cDNA OR gene)
L11 280 L7 AND (DNA OR CDNA OR GENE)

=> s l11 and (selection OR selectable(w)marker) AND ethionine
L12 9 L11 AND (SELECTION OR SELECTABLE(W) MARKER) AND ETHIONINE

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DUPLICATE PREFERENCE IS 'CAPLUS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L12
L13 9 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)

=> d l13 1-9 ti

L13 ANSWER 1 OF 9 USPATFULL on STN
TI Materials and methods for controlling pests

L13 ANSWER 2 OF 9 USPATFULL on STN
TI Plant methionine synthase **gene** and methods for increasing the methionine content of the seeds of plants

L13 ANSWER 3 OF 9 USPATFULL on STN
TI Corynebacterium glutamicum genes encoding metabolic pathway proteins

L13 ANSWER 4 OF 9 USPATFULL on STN
TI Aspartate kinase

L13 ANSWER 5 OF 9 USPATFULL on STN
TI Nucleotide sequences which code for the metE **gene**

L13 ANSWER 6 OF 9 USPATFULL on STN
TI Nucleotide sequences which code for the metF **gene**

L13 ANSWER 7 OF 9 USPATFULL on STN
TI Nucleotide sequence which code for the metH **gene**

L13 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
TI Transgenic plants having improved flavor properties by increasing free methionone levels

L13 ANSWER 9 OF 9 USPATFULL on STN
TI Nucleic acid fragments, chimeric genes and methods for increasing the methionine content of the seeds of plants

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
ENTERED AT 14:25:01 ON 23 SEP 2003
L1 619 S (TUMER, N? OR TUMER N?)/AU
L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
L3 3 S L1 AND L2
L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
L5 886 S L1 OR L2
L6 883 S L5 NOT L3
L7 522 S CYSTATHIONINE(W)GAMMA(W)SYNTHASE
L8 2 S L4 AND L7
L9 34 S L6 AND L7
L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)
L11 280 S L7 AND (DNA OR CDNA OR GENE)
L12 9 S L11 AND (SELECTION OR SELECTABLE(W)MARKER) AND ETHIONINE
L13 9 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)

=> s l13 not l9
L14 9 L13 NOT L9

=> s l13 not l3
L15 8 L13 NOT L3

=> d l15 1-8 bib

L15 ANSWER 1 OF 8 USPATFULL on STN
AN 2003:202383 USPATFULL
TI Materials and methods for controlling pests
IN Stevens, Bruce R., Gainesville, FL, UNITED STATES
Cuda, James P., Gainesville, FL, UNITED STATES
Long, Lewis S., Gainesville, FL, UNITED STATES
PI US 2003140371 A1 20030724
AI US 2002-298974 A1 20021118 (10)
RLI Continuation-in-part of Ser. No. US 2001-991458, filed on 16 Nov 2001, PENDING
DT Utility
FS APPLICATION

LREP SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL ASSOCIATION, 2421 N.W. 41ST STREET, SUITE A-1, GAINESVILLE, FL, 326066669
CLMN Number of Claims: 45
ECL Exemplary Claim: 1
DRWN 6 Drawing Page(s)
LN.CNT 2700
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 2 OF 8 USPATFULL on STN
AN 2003:128671 USPATFULL
TI Plant methionine synthase **gene** and methods for increasing the methionine content of the seeds of plants
IN Falco, Saverio Carl, Arden, DE, UNITED STATES
Famodu, Omolayo O., Newark, DE, UNITED STATES
Rafalski, Jan Antoni, Wilmington, DE, UNITED STATES
Ramaker, Michael Lee, Greenville, DE, UNITED STATES
Tarczynski, Mitchell Christian, West Des Moines, IA, UNITED STATES
Thorpe, Catherine, Cambridgeshire, UNITED KINGDOM
PI US 2003088886 A1 20030508
AI US 2002-989339 A1 20020128 (9)
RLI Continuation of Ser. No. US 1999-377431, filed on 19 Aug 1999, ABANDONED Continuation-in-part of Ser. No. US 1996-703829, filed on 27 Aug 1996, ABANDONED
PRAI US 1995-2973P 19950830 (60)
DT Utility
FS APPLICATION
LREP E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN 9 Drawing Page(s)
LN.CNT 3880
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 3 OF 8 USPATFULL on STN
AN 2003:71519 USPATFULL
TI Corynebacterium glutamicum genes encoding metabolic pathway proteins
IN Pompejus, Markus, Freinsheim, GERMANY, FEDERAL REPUBLIC OF
Kroger, Burkhard, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Schroder, Hartwig, Nussloch, GERMANY, FEDERAL REPUBLIC OF
Zelder, Oskar, Speyer, GERMANY, FEDERAL REPUBLIC OF
Haberhauer, Gregor, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Kim, Jun-Won, Seoul, KOREA, REPUBLIC OF
Lee, Heung-Shick, Seoul, KOREA, REPUBLIC OF
Hwang, Byung-Joon, Seoul, KOREA, REPUBLIC OF
PI US 2003049804 A1 20030313
AI US 2000-746660 A1 20001222 (9)
RLI Continuation-in-part of Ser. No. US 2000-606740, filed on 23 Jun 2000, PENDING Continuation-in-part of Ser. No. US 2000-603124, filed on 23 Jun 2000, PENDING
PRAI DE 1999-19931420 19990708
US 1999-141031P 19990625 (60)
US 1999-142101P 19990702 (60)
US 1999-148613P 19990812 (60)
US 2000-187970P 20000309 (60)
DT Utility
FS APPLICATION
LREP LAHIVE & COCKFIELD, 28 STATE STREET, BOSTON, MA, 02109
CLMN Number of Claims: 47
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 15004
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 4 OF 8 USPATFULL on STN

AN 2002:323315 USPATFULL
TI Aspartate kinase
IN Falco, Saverio Carl, Arden, GERMANY, FEDERAL REPUBLIC OF
Famodu, Omolayo O., Newark, DE, UNITED STATES
Thorpe, Catherine J., Hertfordshire, UNITED KINGDOM
PI US 2002183486 A1 20021205
AI US 2001-890813 A1 20010802 (9)
WO 2000-US34396 20001219
DT Utility
FS APPLICATION
LREP Thomas M Rizzo, E I du Pont de Nemours & Company, Legal Patents, Wilmington, DE, 19898
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 2618
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 5 OF 8 USPATFULL on STN
AN 2002:206184 USPATFULL
TI Nucleotide sequences which code for the metE **gene**
IN Bathe, Brigitte, Salzkotten, GERMANY, FEDERAL REPUBLIC OF
Moeckel, Bettina, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF
Pfefferle, Walter, Halle, GERMANY, FEDERAL REPUBLIC OF
Huthmacher, Klaus, Gelnhausen, GERMANY, FEDERAL REPUBLIC OF
Rueckert, Christian, Guetersloh, GERMANY, FEDERAL REPUBLIC OF
Kalinowski, Joern, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
Puehler, Alfred, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
Binder, Michael, Steinhagen, GERMANY, FEDERAL REPUBLIC OF
Greissinger, Dieter, Niddatal, GERMANY, FEDERAL REPUBLIC OF
Thierbach, Georg, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
PA DEGUSSA AG, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF, DE-40474 (non-U.S. corporation)
PI US 2002110877 A1 20020815
AI US 2001-919835 A1 20010802 (9)
PRAI DE 2000-10038023 20000802
DE 2001-109689 20010228
US 2001-294250P 20010531 (60)
DT Utility
FS APPLICATION
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 1522
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 6 OF 8 USPATFULL on STN
AN 2002:92779 USPATFULL
TI Nucleotide sequences which code for the metF **gene**
IN Bathe, Brigitte, Salzkotten, GERMANY, FEDERAL REPUBLIC OF
Moeckel, Bettina, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF
Pfefferle, Walter, Halle, GERMANY, FEDERAL REPUBLIC OF
Huthmacher, Klaus, Gelnhausen, GERMANY, FEDERAL REPUBLIC OF
Binder, Michael, Steinhagen, GERMANY, FEDERAL REPUBLIC OF
Greissinger, Dieter, Niddatal, GERMANY, FEDERAL REPUBLIC OF
Thierbach, Georg, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
PA DEGUSSA AG, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US 2002049305 A1 20020425
AI US 2001-919935 A1 20010802 (9)
PRAI DE 2000-10053942 20000802
DE 2001-109686 20010228
US 2001-294279P 20010531 (60)

DT Utility
FS APPLICATION
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
CLMN Number of Claims: 33
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 1079
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 7 OF 8 USPATFULL on STN
AN 2002:92275 USPATFULL
TI Nucleotide sequence which code for the metH **gene**
IN Bathe, Brigitte, Salzkotten, GERMANY, FEDERAL REPUBLIC OF
Moeckel, Bettina, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF
Pfefferle, Walter, Halle, GERMANY, FEDERAL REPUBLIC OF
Huthmacher, Klaus, Gelnhausen, GERMANY, FEDERAL REPUBLIC OF
Rueckert, Christian, Guetersloh, GERMANY, FEDERAL REPUBLIC OF
Kalinowski, Joern, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
Puehler, Alfred, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
Binder, Michael, Steinhagen, GERMANY, FEDERAL REPUBLIC OF
Greissinger, Dieter, Niddatal, GERMANY, FEDERAL REPUBLIC OF
Thierbach, Georg, Bielefeld, GERMANY, FEDERAL REPUBLIC OF
PA DEGUSSA AG, DUESSELDORF, GERMANY, FEDERAL REPUBLIC OF, DE-40474 (non-U.S. corporation)
PI US 2002048793 A1 20020425
AI US 2001-919891 A1 20010802 (9)
PRAI DE 2000-10038050 20000802
DE 2001-109687 20010228
US 2001-294251P 20010531 (60)
DT Utility
FS APPLICATION
LREP OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 1372
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 8 OF 8 USPATFULL on STN
AN 1999:67433 USPATFULL
TI Nucleic acid fragments, chimeric genes and methods for increasing the methionine content of the seeds of plants
IN Falco, Saverio Carl, Arden, DE, United States
Guida, Jr., Anthony Dominick, Newark, DE, United States
Locke, Mary Elizabeth Hartnett, Glassboro, NJ, United States
PA E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
PI US 5912414 19990615
WO 9531554 19951123
AI US 1996-737524 19961108 (8)
WO 1995-US5545 19950512
19961108 PCT 371 date
19961108 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1994-242408, filed on 13 May 1994, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Robinson, Douglas W.; Assistant Examiner: Nelson, Amy J.
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 2704

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
ENTERED AT 14:25:01 ON 23 SEP 2003
L1 619 S (TUMER, N? OR TUMER N?)/AU
L2 270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
L3 3 S L1 AND L2
L4 2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
L5 886 S L1 OR L2
L6 883 S L5 NOT L3
L7 522 S CYSTATHIONINE(W)GAMMA(W)SYNTHASE
L8 2 S L4 AND L7
L9 34 S L6 AND L7
L10 12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)
L11 280 S L7 AND (DNA OR CDNA OR GENE)
L12 9 S L11 AND (SELECTION OR SELECTABLE(W)MARKER) AND ETHIONINE
L13 9 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)
L14 9 S L13 NOT L9
L15 8 S L13 NOT L3

=> s ethionine AND plant
L16 362 ETHIONINE AND PLANT

=> s l16 AND cell
L17 138 L16 AND CELL

=> s l17 AND toxi?
L18 48 L17 AND TOXI?

=> s l18 AND cell(w)culture
L19 24 L18 AND CELL(W) CULTURE

=> s l19 not l13
L20 23 L19 NOT L13

=> s l20 not l9
L21 23 L20 NOT L9

=> s l21 not l3
L22 23 L21 NOT L3

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L23 23 DUPLICATE REMOVE L22 (0 DUPLICATES REMOVED)

=> d l23 1-10 ti

L23 ANSWER 1 OF 23 USPATFULL on STN
TI Comparative phenotype analysis of cells, including testing of biologically active compounds

L23 ANSWER 2 OF 23 USPATFULL on STN
TI Comparative phenotype analysis

L23 ANSWER 3 OF 23 USPATFULL on STN
TI Mitomycin biosynthetic gene cluster

L23 ANSWER 4 OF 23 USPATFULL on STN

TI Methionine restriction for cancer therapy

L23 ANSWER 5 OF 23 USPATFULL on STN
TI Canine **toxicity** genes

L23 ANSWER 6 OF 23 USPATFULL on STN
TI S-adenosyl methionine regulation of metabolic pathways and its use in diagnosis and therapy

L23 ANSWER 7 OF 23 USPATFULL on STN
TI Targeted methods of drug screening using co-culture methods

L23 ANSWER 8 OF 23 USPATFULL on STN
TI Comparative phenotype analysis

L23 ANSWER 9 OF 23 USPATFULL on STN
TI MANIPULATION OF **PLANT CELL** AND TISSUE CULTURES

L23 ANSWER 10 OF 23 USPATFULL on STN
TI Adipocyte-specific protein homologs

=> d l23 9 bib

L23 ANSWER 9 OF 23 USPATFULL on STN
AN 2002:157132 USPATFULL
TI MANIPULATION OF **PLANT CELL** AND TISSUE CULTURES
IN STAFFORD, ANGELA, CASTLETON, UNITED KINGDOM
MORVILLE, MALCOLM, SHREWSBURY, MA, UNITED STATES
PI US 2002081731 A1 20020627
AI US 1997-887532 A1 19970703 (8)
RLI Continuation of Ser. No. US 1995-444846, filed on 19 May 1995, ABANDONED
DT Utility
FS APPLICATION
LREP PAUL T CLARK, CLARK AND ELBING, 176 FEDERAL STREET, BOSTON, MA, 02110
CLMN Number of Claims: 32
ECL Exemplary Claim: 1
DRWN 16 Drawing Page(s)
LN.CNT 1077
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l23 11-20 ti

L23 ANSWER 11 OF 23 USPATFULL on STN
TI Comparative phenotype analysis

L23 ANSWER 12 OF 23 USPATFULL on STN
TI Comparative phenotype analysis of two or more microorganisms using a plurality of substrates within a microwell device

L23 ANSWER 13 OF 23 USPATFULL on STN
TI **Plant** peptide transport gene

L23 ANSWER 14 OF 23 USPATFULL on STN
TI Comparative phenotype analysis of two or more microorganisms using a plurality of substrates within a multiwell testing device

L23 ANSWER 15 OF 23 USPATFULL on STN
TI S-adenosyl methionine regulation of metabolic pathways and its use in diagnosis and therapy

L23 ANSWER 16 OF 23 USPATFULL on STN
TI High sulfur seed protein gene and method for increasing the sulfur amino acid contact of plants

L23 ANSWER 17 OF 23 USPATFULL on STN
TI **Plant** peptide transport gene

L23 ANSWER 18 OF 23 USPATFULL on STN
TI Synthetic storage proteins with defined structure containing programmable levels of essential amino acids for improvement of the nutritional value of plants

L23 ANSWER 19 OF 23 USPATFULL on STN
TI Whole **plant** regeneration via organogenesis and somaclonal variation in glycine species

L23 ANSWER 20 OF 23 USPATFULL on STN
TI Methods for mutant selection in cereal crops

=> d l23 21-23 ti

L23 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN
TI Application of the disk method to cultured **plant** cells. II. Exhibition zones

L23 ANSWER 22 OF 23 CABA COPYRIGHT 2003 CABI on STN
TI Development of selection strategies for the isolation of methionine accumulating **cell** lines in Solanum tuberosum L.

L23 ANSWER 23 OF 23 CABA COPYRIGHT 2003 CABI on STN
TI Development of somatic **cell** genetics systems in Vigna radiata and Phaseolus vulgaris.

=> d l23 22-23 bib

L23 ANSWER 22 OF 23 CABA COPYRIGHT 2003 CABI on STN
AN 83:85847 CABA
DN 821616592
TI Development of selection strategies for the isolation of methionine accumulating **cell** lines in Solanum tuberosum L
AU Hunsperger, J. P.
CS Mich. State Univ., East Lansing, USA.
SO Dissertation Abstracts International, B, (1982) Vol. 43, No. 2, pp. 339B. Order No: DA8216555.
DT Abstract
LA English

L23 ANSWER 23 OF 23 CABA COPYRIGHT 2003 CABI on STN
AN 83:85843 CABA
DN 821616588
TI Development of somatic **cell** genetics systems in Vigna radiata and Phaseolus vulgaris
AU Jacobs, T. W.
CS Mich. State Univ., East Lansing, USA.
SO Dissertation Abstracts International, B, (1982) Vol. 43, No. 2, pp. 307B. Order No: DA8216557.
DT Abstract
LA English

=> d his

(FILE 'HOME' ENTERED AT 14:24:56 ON 23 SEP 2003)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL' ENTERED AT 14:25:01 ON 23 SEP 2003

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L2          270 S (LEUSTEK, T? OR LEUSTEK T?)/AU
L3            3 S L1 AND L2
L4            2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
L5          886 S L1 OR L2
L6          883 S L5 NOT L3
L7          522 S CYSTATHIONINE(W)GAMMA(W)SYNTHASE
L8            2 S L4 AND L7
L9           34 S L6 AND L7
L10          12 DUPLICATE REMOVE L9 (22 DUPLICATES REMOVED)
L11         280 S L7 AND (DNA OR CDNA OR GENE)
L12           9 S L11 AND (SELECTION OR SELECTABLE(W)MARKER) AND ETHIONINE
L13           9 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)
L14           9 S L13 NOT L9
L15           8 S L13 NOT L3
L16         362 S ETHIONINE AND PLANT
L17         138 S L16 AND CELL
L18          48 S L17 AND TOXI?
L19          24 S L18 AND CELL(W)CULTURE
L20          23 S L19 NOT L13
L21          23 S L20 NOT L9
L22          23 S L21 NOT L3
L23          23 DUPLICATE REMOVE L22 (0 DUPLICATES REMOVED)

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LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                  72.42      72.63

STN INTERNATIONAL LOGOFF AT 14:36:58 ON 23 SEP 2003
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